



ZOOLOGY PAPER - I : ZOO-241

Chordates - II

(24155)

P. Pages : 2

Time : Two Hours

Max. Marks : 40

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Graph or diagram should be drawn with the black ink pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. All questions are compulsory.
5. Figures to the right indicate full marks.
6. Draw neat labelled diagram wherever necessary.

1. Multiple choice attempt any eight.

8

- a) Salivary gland secrete saliva, which contain ----- enzyme.
i) Trypsin ii) Pepsin
iii) Ptyalin iv) Renin
- b) In Rat Kidneys are ----- type.
i) Pronephric ii) Mesonephric
iii) Metanephric iv) None
- c) Olfactory lobes are concerned with sense of -----
i) Sight ii) Smell
iii) Touch iv) Taste
- d) Looking after the young's until they become independent to defend from predator is known as -----
i) Paedogeny ii) Neoteny
iii) Parental care iv) All
- e) The heart of rat consist of ----- Chambers.
i) Two ii) Three
iii) Four iv) Five

- f) The tail of Rat is covered by overlapping scales arranged in ----- rings.
 i) 90 ii) 112
 iii) 115 iv) 210
- g) The head scales of poisonous snakes are -----
 i) Large ii) Microscopic
 iii) Usually small iv) Mix type
- h) The Rat is ----- animal.
 i) Sanguivorous ii) Insectivorous
 iii) Omnivorous iv) All
- i) Trachea is supported by ----- Shaped cartilage.
 i) S ii) B
 iii) C iv) L
- j) ----- pairs of cranial nerves in the brain of Rat.
 i) 13 ii) 14
 iii) 12 iv) 11

2. Attempt **any four** – define / explain/ comments. 8
 a) Paired fins b) Dental formula
 c) Spiny ant eater d) Bile
 e) Gular pouch f) Sinu-auricular node
3. Attempt **any two**. 8
 i) Fore brain of Rat.
 ii) Sketch & label excretory system of Rat.
 iii) Cycloid scale.
4. i) Attempt **any two**. 6
 a) Parental care in Pipa.
 b) Lungs of Rat.
 c) Sketch & label – digestive system of Rat.
- ii) Succus entericus comment. 2
5. Attempt **any one**. 8
 a) Describe female reproductive system of Rat.
 b) Describe arterial system of Rat.
